



U.S. General Services Administration
Office of Government-wide Policy
Motor Vehicle Policy

The Movement to Asset Level Data (ALD) Collection



Asset Level Data (ALD): What Is It?

*This is the biggest fleet data
collection change in over 25 years!*

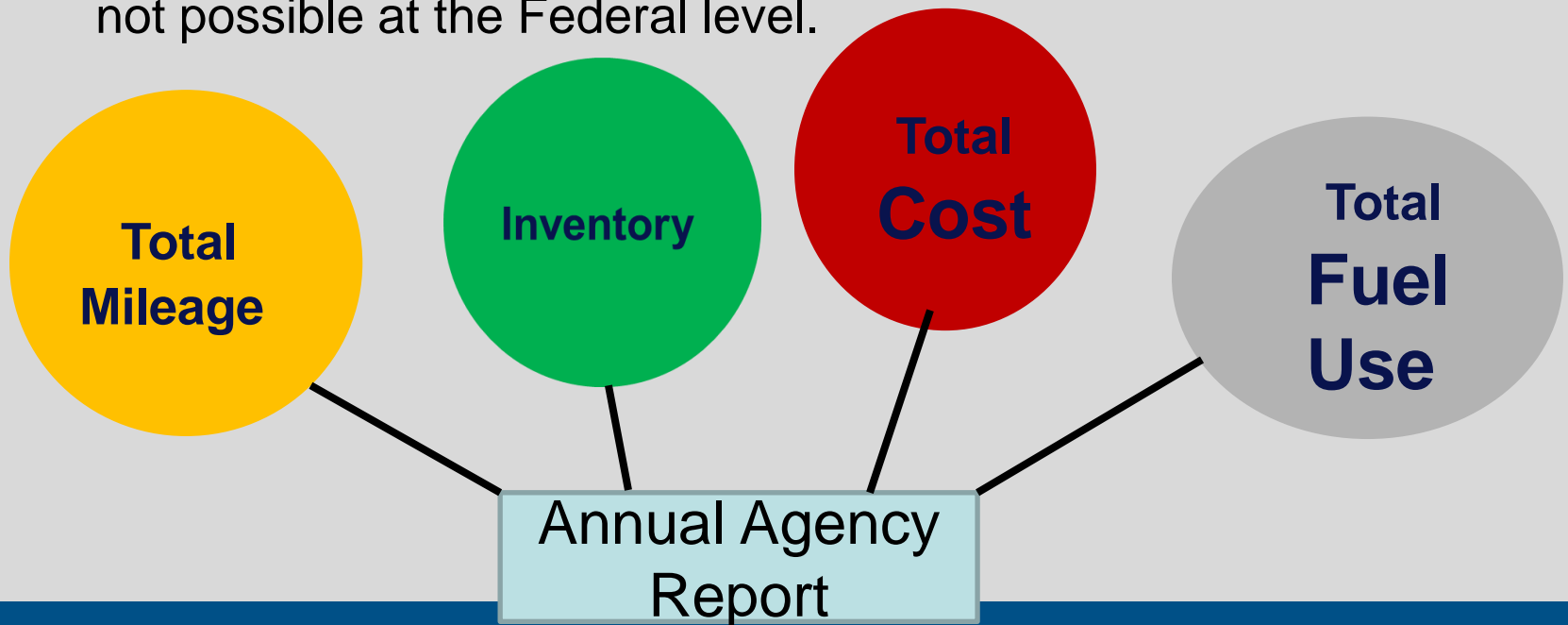
ALD changes the existing highly aggregated picture of total motor vehicle cost, mileage, and fuel consumption into individual motor vehicle performance data.

Asset Level Data (ALD): What Is It?

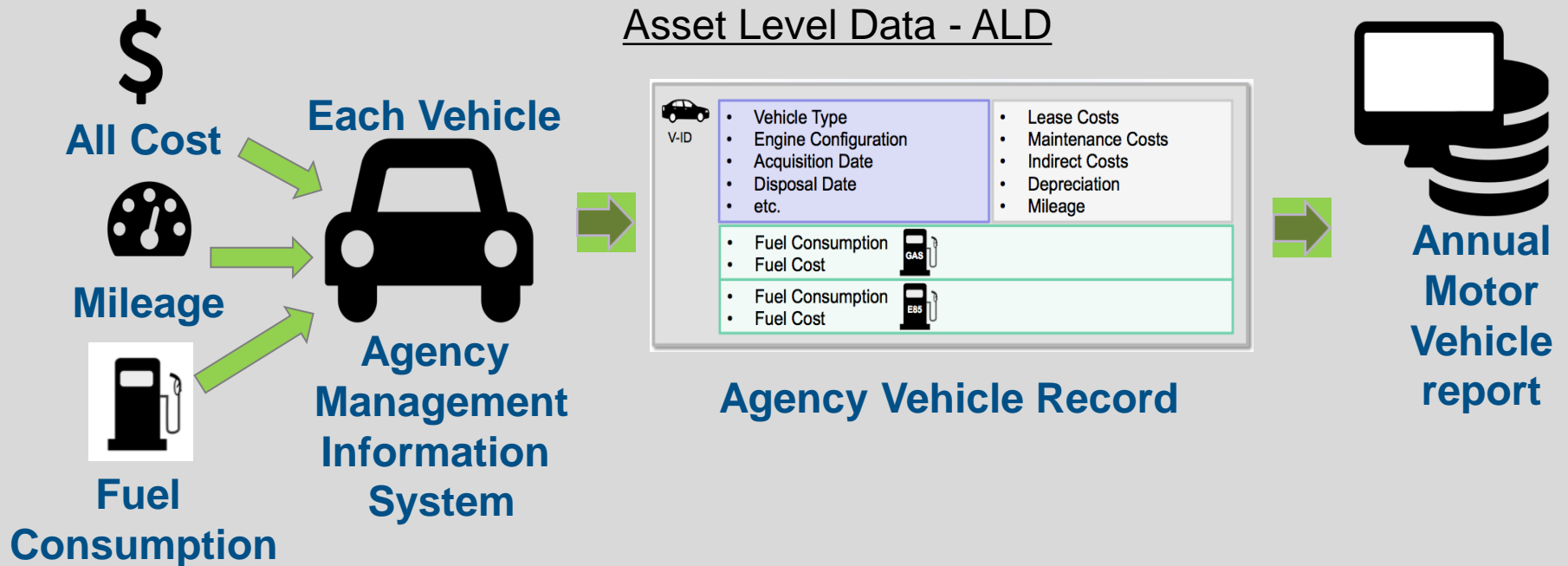
- Specific detailed data reported for each vehicle
- Streamlined and automated agency reporting processes (little or no manual input)
- Significant improvements to data quality and potential to shorten reporting periods
- Expanded new data analysis/benchmarking capabilities within the agency and Government-wide
- Collect detailed data suitable for integration with other data efforts within the agency

Changing Data Shape: Old Collection Process

- Federal motor vehicle data has historically been collected at a broad aggregated summary level for each agency.
- Vehicle cost, mileage, and fuel use can be determined “per agency” but not “per vehicle”.
- Spotting the most (or least) costly vehicles or benchmarking is not possible at the Federal level.



Changing Data Shape: New Collection Process



- All agency motor vehicle records are passed electronically from the agency's management information system to the GSA/DOE reporting system (Federal Automotive Statistical Tool - FAST).

What Requires ALD Reporting?

- FMR102-34.335:

Annually, agencies must submit to GSA the information needed through the Federal Automotive Statistical Tool (FAST).

- FMR102-34.340:

You must have a fleet management information system at the department or agency level that—

(a) Identifies and collects accurate inventory, cost, and use data that covers the complete lifecycle of each motor vehicle (acquisition, operation, maintenance, and disposal); and

(b) Provides the information necessary to satisfy both internal and external reporting requirements, including:

- (1) Cost per mile;
- (2) Fuel costs for each motor vehicle; and
- (3) Data required for FAST.

Asset Level Data: Where Are We?

Complete:

- Agencies have modified their fleet management information systems to capture ALD per-vehicle data elements.
- Agencies began tracking per-vehicle data Oct 1, 2016.
- Agencies have access to the FAST “Sandbox” testing and training environment. Users can upload an XML document containing ALD and immediately see validation results.

To Be Completed:

- Agencies will report data electronically to FAST in ALD format beginning Oct 1, 2017.

Exception:

- Department of Treasury reported in ALD format in 2016.

What Does the Future Hold for ALD?

- As soon as FY2018, asset level motor vehicle data will be usable for analysis both agency-wide and government-wide. ALD motor vehicle data can be combined with real property and human resources data to provide total visibility in planning projects. Unlimited benchmarking and trends tracking can begin.
- When reliable electronic system-to-system data transfer becomes a reality, the data reporting period can be shortened, saving agencies valuable time now spent compiling data for reporting.
- Agencies could run reports more frequently than annually to help manage and spot problem areas before annual reporting begins.
- The long-term goal of “push button” FAST reporting becomes a reality.

You've Got Motor Vehicle Policy Questions?

We've Got Answers

Vehicle.Policy@GSA.Gov





U.S. General Services Administration
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Office of Evidence and Analysis

Analysis Using Asset Level Data (ALD)

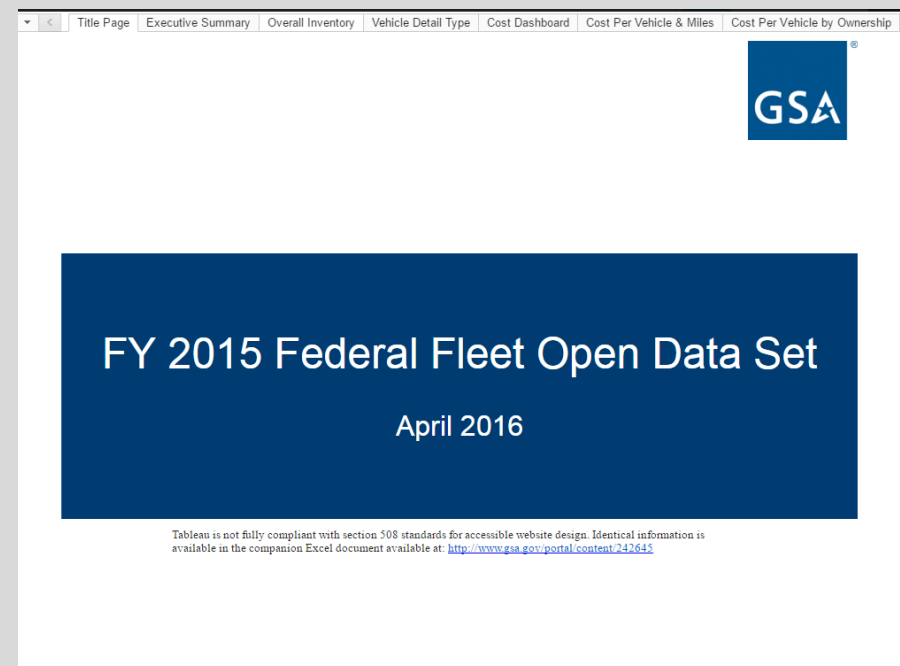
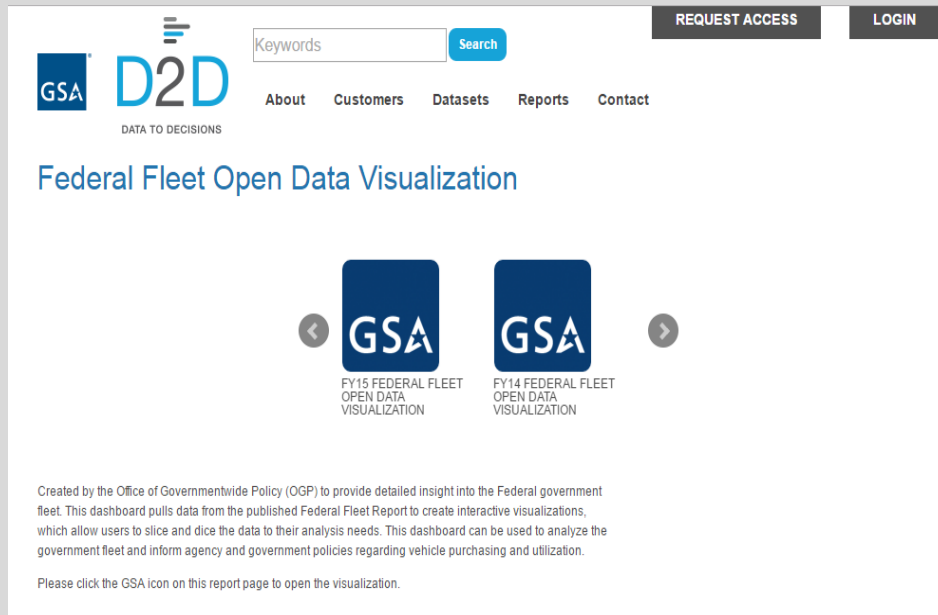


Presentation Outline

- Intro – Who am I?
- Demo of Current Federal Fleet Report – Then vs. Now
<https://d2d.gsa.gov/report/federal-fleet-open-data-visualization>
- What does the future hold for ALD and Fleet data analysis?!

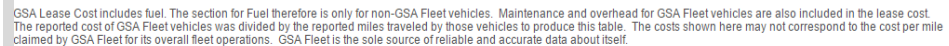
Federal Fleet Report: Revamped

- Federal Fleet Open Data Visualization uses the same data as the Federal Fleet Open Data Set in Excel but is designed in a more user friendly way
- Publically available on D2D website for FY14 and FY15 data



<https://d2d.gsa.gov/report/federal-fleet-open-data-visualization>

- **GOAL:** To make fleet data easier to understand and useful for informed decision making
- Visualizations show data on: Fuel, Cost, Inventory, Miles
- Some Screenshots....



Breaking Down the Summary Page – Some Things to Note

Executive Summary of the U.S. Government Vehicle Fleet

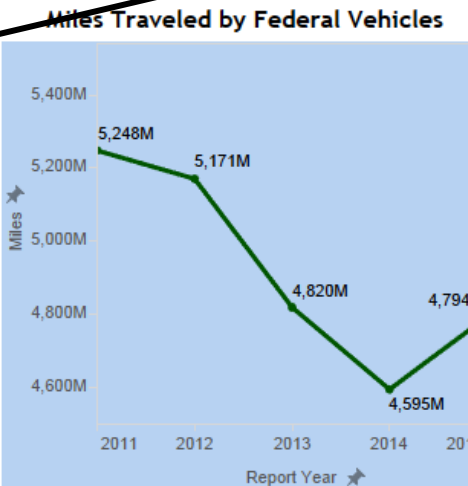
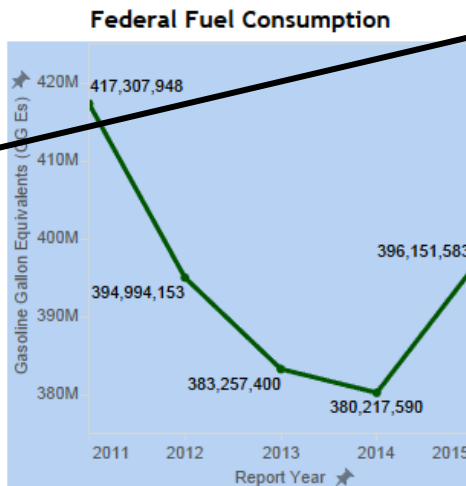
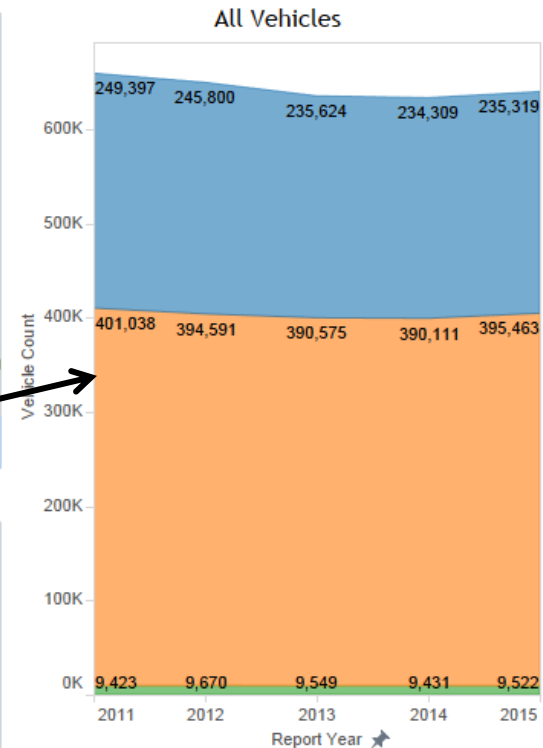
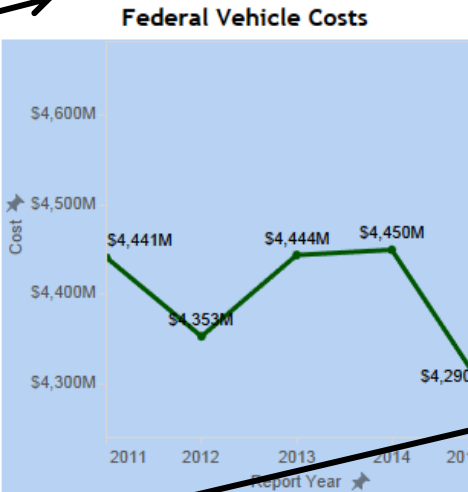
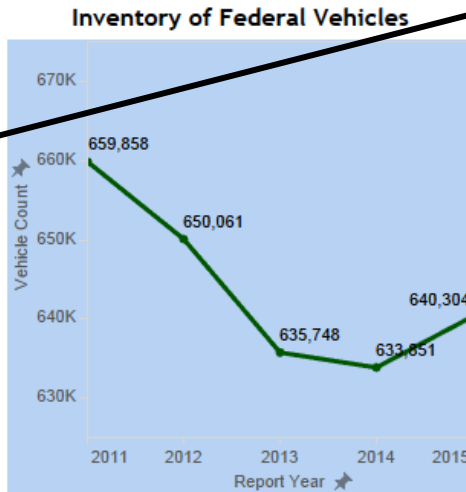
Change in Inventory in 2015
1.02%

Change in Fuel in 2015
4.19%

Change in Cost in 2015
-3.60%

Change in Miles in 2015
4.32%

Governmentwide Five Year Inventory Trend



Ownership Type
(All)

Locale
(All)

FFR Category
Passenger Vehicles
Trucks
Other

Easy to see changes from last year. We can see that vehicle cost decreased across government as a whole from 2014 to 2015.

Five year inventory data is easy to comprehend in a visual format.

Filters allow for user interactivity.

Walking Through a Sample Interactive Example at the Government-wide Level

How many agency owned vehicles did we acquire and dispose of over the last year government-wide for specific fuel types?

Governmentwide Vehicle Fuel Type Inventory

Vehicles Acquired

Vehicles Disposed

Net Change in 2015

Ownership Type

☐ (All)

☒ Agency Owned

☐ Commercially Leased

☐ GSA

Fuel Type

☐ (All)

☐ CNG

☐ Diesel

☐ Diesel Hybrid

☐ Diesel LGHG

☐ E-85

☐ Electric

☐ Gasoline

☐ Gasoline Hybrid

☐ Gasoline LGHG

☐ Gasoline Plug-in Hybrid

☐ Hydrogen

☐ LNG

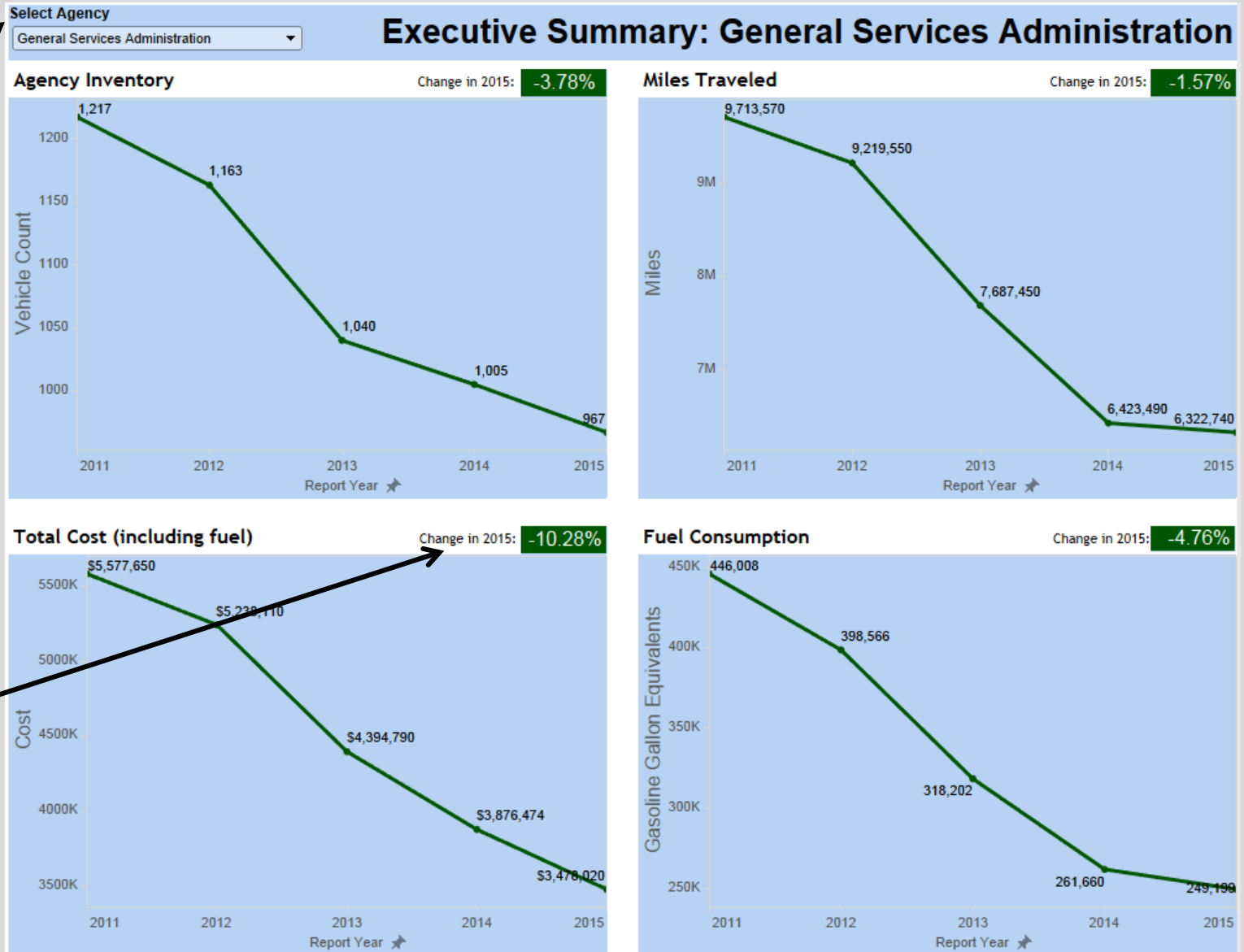
☐ LPG

Fuel Type

Note: Pursuant to guidance from the Environmental Protection Agency pertaining to §141 of the Energy Independence and Security Act (EISA), beginning in 2011 petroleum fueled vehicles meeting EPA's definition of low greenhouse gas (LGHG) vehicles may be considered alternative fuel vehicles (AFVs) when acquired for use in locations where alternative fuel is not available. Therefore, although these vehicles consume petroleum, agencies may consider them alternative fuel vehicles in the limited circumstances described.

Breaking Down the Summary Page – Some Things to Note

“Select Agency”
tab allows the
user to select
any agency and
view trend data.



Walking Through a Sample Interactive Example at the Agency Level

What is my agency's cost in 2015 across all ownership types for Passenger Vehicles?

General Services Administration Summary - Miles, Vehicles, and Cost

Select Agency

Select Report Year

FFR Category

Ownership Type

General Services Administration

2015

(None)

(All)

Department of the Treasury

Department of Transportation

Department of Veterans Affairs

Environmental Protection Agency

Equal Employment Opportunity Commission

Federal Communications Commission

Federal Housing Finance Agency

Federal Maritime Commission

Federal Trade Commission

General Services Administration

Government Printing Office

Library of Congress

National Aeronautics and Space Administration

National Archives & Records Administration

National Gallery of Art

National Labor Relations Board

National Science Foundation

National Transportation Safety Board

Nuclear Regulatory Commission

Office of Personnel Management

Peace Corps

Pretrial Services Agency for the Dist of Columbia

Small Business Administration

Smithsonian Institution

Social Security Administration

Tennessee Valley Authority

U.S. Postal Service

United States Marine Corps

US Agency for International Development

US International Trade Commission

Miles for 2015

Total Cost for 2015

Cost Per All Vehicles for 2015

Miles Per All Vehicles for 2015

Inventory and Miles Per Vehicle

General Services Administration Miles Per Vehicle and Cost Per Vehicle

Administration Cost

Passenger Vehicles

Low-Speed Vehicles

Sedans & Station Wa.

Passenger Vans

SUVs

Trucks

LD Trucks

MD Trucks

HD Trucks

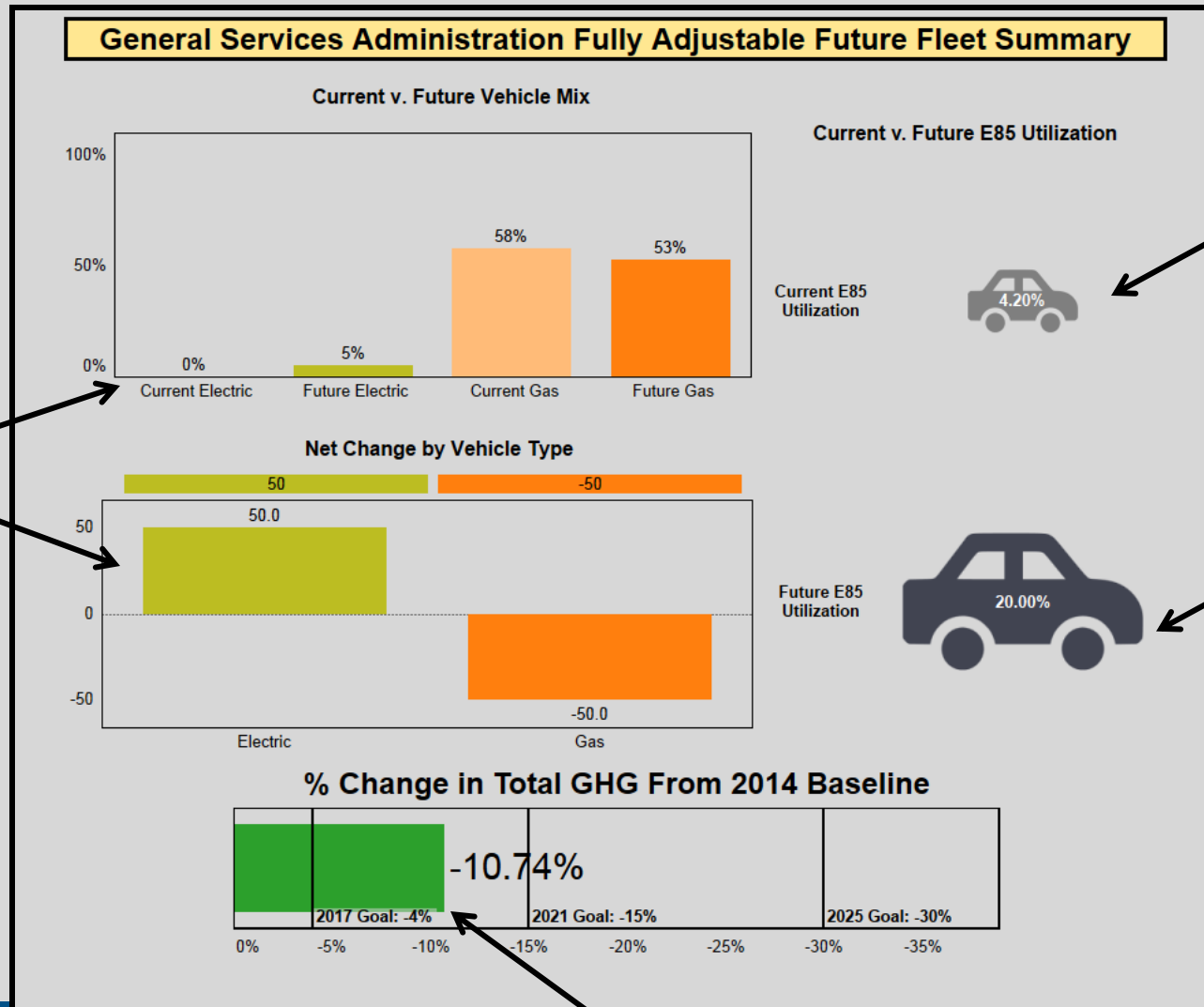
Other

Ambulances

Buses

What Does the Future Hold for Fleet Data?

Here is an example with “dummy” data of what could be!



Data at the individual vehicle level could inform decisions on areas where we could reduce or increase vehicles based on usage.

Looking at current fuel utilization at the vehicle level can drive decisions on future habits and ways to increase alternative fuel usage.

Opportunities to look deeper in to greenhouse gas emissions and determine ways to baseline agency fleets against reduction targets.

What Can We Look Forward to in the Next Year?

- ALD data will bring us the ability to conduct much more in depth analyses of our current fleets
- Data government-wide and at the agency level will be more reliable
- The Federal Fleet Report Open Data Visualization will be re-worked to go even deeper in to analysis and will have more capabilities for users
- ALD data can be used to inform policy decisions to make agency fleets more efficient
- Ultimately using data to drive smart decisions across the Federal Fleet!

Questions?

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